

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 09/30/2020 10:01 AM
Cytometer Baseline: 02/04/2020 09:45 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80996 **Expiration Date:** 04/30/2020 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	122862	-2	2.66	122950	2.82
Blue	F	SSC	125000	124030	-1	1.69	124801	1.73
Blue	E	FITC	15892	15427	-3	2.91	337	21.18
Blue	D	PE	29999	29284	-3	2.04	640	15.45
Blue	B	PerCP-Cy5-5	43732	43273	-2	3.78	1157	21.47
Blue	A	PE-Cy7	30845	31000	0	6.49	592	43.38
Red	C	APC	46112	44847	-3	2.51	1590	12.35
Red	A	APC-Cy7	30458	29547	-3	2.41	781	12.34
Violet	B	V450	7918	7561	-5	4.42	428	13.70
Violet	A	V500	32171	30763	-5	4.20	720	10.44

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16706	14.85	651	30	N/A	N/A	Pass
Blue	F	SSC	56560	1.27	582	23	N/A	N/A	Pass
Blue	E	FITC	62	64.02	552	9	0.0170	78	Pass
Blue	D	PE	134	51.50	558	10	0.1440	260	Pass
Blue	B	PerCP-Cy5-5	212	52.39	666	10	0.0081	50	Pass
Blue	A	PE-Cy7	106	112.68	713	15	0.0098	25	Pass
Red	C	APC	377	26.49	592	8	0.0238	217	Pass
Red	A	APC-Cy7	171	29.65	564	8	0.0052	920	Pass
Violet	B	V450	64	57.91	462	4	0.0379	1258	Pass
Violet	A	V500	108	30.48	478	4	0.0220	296	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.98	-32.25	1.01
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.42
Red	15.31	13.60 - 20.40	N/A	N/A	29.30	30.05	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10827

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments